

# Fanless High Brightness Industrial Panel PC

IP65 Front Panel mount 10.4" 800 x 600 Intel Bay Trail Quad Core  
1.9GHz Fanless High Brightness Industrial Panel PC  
Wide temp. -20~65°C Bay Trail Fanless Panel PC 1000nits IP66 in front  
water/dust proof bezel, 2GB Memory, 128GB SSD with Full Flat flat  
Resistive Touch



**Model: WPC1040HB-TR**

## Features:

- Wide temp. -20~65 °C Bay Trail Fanless Panel PC
- High brightness 1000nits LCD Panel
- Intel 4th gen. Baytrail-E3845 CPU
- 10.4" LCD with full flat Resistive touch screen IP66 in
- front water/dust proof bezel
- Panel mount capability
- Special design for Semi-outdoor / Indoor application

## Specifications:

System	
CPU	Intel® Atom™ Processor E3845, 1.91 GHz, Quad-core processor, 10W□
Graphic	Intel® HD Graphics
Memory	Two 1333 MHz DDR3L SODIMM socket support dual Channel, non-ECC, up to 8 GB (Wide Temp.)
Serial SATA	SATA II controller (3.0Gb/sec) Port x 2
USB	External USB 2.0 type A x 3, USB3.0 x 1 Internal Mini-PCI-E x2 (Default) or USB 2.0 pin head x 2 (Option) Touch x 1, USB 2.0 (Pin head) x 3
Serial Port	External RS232 / RS422 / RS485 x 1 (Set by BIOS, RS485 auto flow), RS232 x 1 Internal RS232 x 1, RS232 (Jumper 5V, 12V) x 1
Audio	Realtek ALC262 Audio Codec, 2+2 watts power amplifier
LAN	Intel I210-AT Gigabit Ethernet x 2
WDT	Generates system reset; 256 segments, 0, 1, 2...255 sec/min
BIOS	Brand: AMI Flash ROM size: 64Mb Support RTC wakeup / Wake on LAN / Power on after power failure / PnP / ACPI / RTC

LCD Panel	
Size	10.4" 4:3
Resolution (pixel)	SVGA (800x600)
Brightness (cd/m2)	1000nit
Contrast	400:1
Number of Colors	262K, LVDS 6 bits
View Angle (H/V)	R/L 130(Typ.), U/D 120(Typ)
Response time	25 ms (R + F)
Backlight /life time	LED

Touch Panel	
Technology	Full Flat Res. touch
Interface	USB
Hardness	4H
Life Time	35 million times

## Storage

**HDD** SATA HDD drive bay x 1 (128G WT SSD Default)  
**SATA DOM** Mini PCIe x 2

## I/O & Control Keys

**USB** USB 2.0 x 3, USB 3.0 x 1  
**COM** DB-9 x 3  
{RS232 x 2, RS232/422/485 x 1 (Set by BIOS, RS485 auto flow)}  
**LAN** RJ-45 x 2, Gigabit  
**Audio** Line-out, Microphone-in (3.5 mm phone-jack)  
**DVI output** DVI-I x 1  
**Power Input** DC-in x 1, 7V~32V  
**Control keys** Rear bottom: Power on/off, reset  
**LED indicator** Aluminum bezel: System power on: green  
HDD accessing: red

## Power

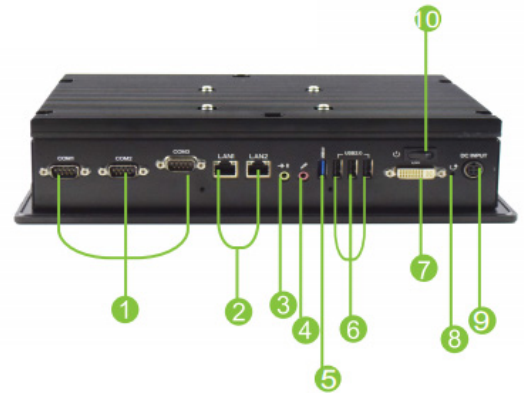
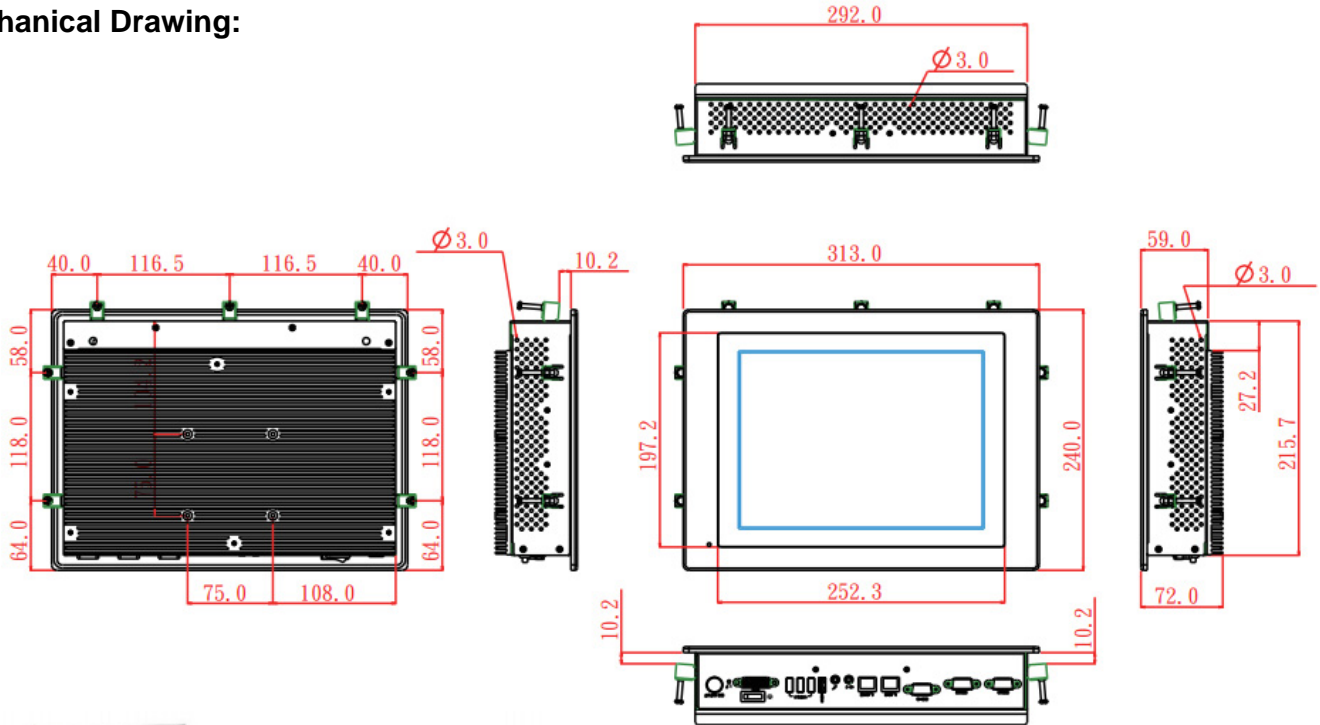
**Power Adaptor** AC 90 ~ 264V / 47 ~ 63 Hz / DC output 12V, 57W  
**Power Consumption** 29.92 W ( MAX. Loading without adaptor )

## Mechanical & Environmental

**Material construction** Front bezel is Aluminum, others are SECC  
**Aluminum bezel Color** Black  
**ID design** Panel mount  
**IP Rating** Front IP66  
**Cooling** Fanless  
**Mounting** VESA 75 x 75 mm, Panel Mounting  
**Dimensions** 313 x 240 x 72 mm (W x H x D, panel mount)  
**Net Weight** 3.9 Kg (approximate, w/o power adaptor)  
**Temperature** Operating : 12V DC Input -20~65°C  
Storage : -20~65°C  
**Humidity** Operating & storage – 10%~90%, non-condensing  
**Regulatory** FCC, CE(EMC), VCCI Class B



## Mechanical Drawing:



- |                 |                |
|-----------------|----------------|
| ① COM x 3       | ⑥ USB 2.0 x 3  |
| ② LAN x 2       | ⑦ DVI-I output |
| ③ Line out      | ⑧ Reset        |
| ④ Microphone-in | ⑨ DC-in        |
| ⑤ USB 3.0       | ⑩ Power on/off |

## Packaging / Options / Customization

### Packaging

System, power adaptor, AC power cord, DVD(drivers & manual)

### Options

- Wireless or Wireless + BT kit (2 ant)
- Lock touch screen
- VGA output independent display (Dungle)
- Silver front bezel
- Stainless front bezel

### Customization

- Anti UV and 7H coating
- Sunlight readable optical bonding
- Storage door solution
- LCD Auto dimming
- LCD Super dimming (Low brightness)